User manual

Automatic dust extractor controller AS-100

Fig.: AS-100

WASSERMANN DENTAL-MASCHINEN

CE

WASSERMANN DENTAL-MASCHINEN GMBH

Dear customer,

Thank you for choosing a product from the Wassermann range. Wassermann dental equipment incorporates the highest standards of quality and the latest technology.

In order to enjoy maximum performance and years of trouble-free operation, please read this instruction manual carefully before you connect this device and start work, and operate the device according to the recommended guidelines. The operation safety and the functionality of this device can only be guaranteed if you follow both the general safety guidelines and the applying laws to prevent accidents as well as the precautions given in this instruction manual. We are not liable for any damages which occur due to inappropriate usage or faulty operation of this device.

Make sure that anyone using this device has read and understood this instruction manual.

Keep this instruction manual in a safe place where it can be referred to as required at any time.

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Contents

Contents **2**
1 For your safety **3**
1.1 CORRECT USE OF THE PRODUCT 3
1.2 SAFETY SYMBOLS USED IN THIS MANUAL 3
1.3 SAFETY GUIDELINES 3
1.4 FOLLOW THE USER MANUAL 4
1.5 RESPONSIBILITY FOR OPERATION OR DAMAGE 4
1.6 AUTHORISED USERS 5
2 Use/Application **5**
3 Before you start **5**
3.1 UNPACKING AND TRANSPORTING THE DEVICE 5
3.2 CONTENTS 6
4 Adjusting the potentiometer **6**
5 Starting the controller **7**
6 Troubleshooting **7**
6.1 TECHNICAL DATA 8
6.2 REPAIRS 8
7 Warranty **9**
8 EC Compliance Certificate **10**

1 For your safety

1.1 Correct use of the product

This controller is used to switch dust extractors on automatically during the operation of finishers, for example.

1.2 Safety symbols used in this manual

Warning!
This is a warning of risk situations and dangers.
Failure to observe this warning could be life-threatening.
These warnings must be observed.

Information!
This symbol draws your attention to specific features that must be observed.

1.3 Safety guidelines

You should ***read*** and ***carefully follow*** the instructions in this ***user manual*** for setting up and operating the device. The device is intended only for its specified purpose.

Only trained and authorised personnel should undertake service and repair work.

Make sure the device is always connected to the appropriate power supply.

1.4 Follow the user manual

You should ***read*** and ***carefully follow*** the instructions in this ***user manual*** for setting up and operating the device. This device is to be used only for its intended purpose.

1.5 Responsibility for operation or damage

The responsibility for operating the device lies exclusively with the owner or user if said device is incorrectly serviced, maintained or altered by persons not employed by an authorised dealer or if the device is used in a manner contrary to its specified purpose.

The unit must be maintained and operated in accordance with this user manual. Wassermann Dental-Maschinen GmbH is not responsible for damage arising from the ***nonobservance*** of these instructions.

Warranty and responsibility provisions contained in the sales and supply conditions of Wassermann Dental-Maschinen GmbH are not extended by these instructions.

The warranty becomes void if the product is modified by third parties and foreign components installed. Use only original WASSERMANN replacement parts.

1.6 Authorised users

The device owner should provide the operator with this user manual and ensure that he/she has read and understood it. The device should only be used after that.

Ensure that this user manual is accessible at all times and has been read and understood.

2 Use/Application

This device makes it unnecessary to switch dust extractors off and on. When the finisher or polisher motor is switched on, the attached dust extractor starts operating automatically. Thus, dust extraction is only ever on when the other equipment is operating. The set after-running time (15 sec.) means that any short work interruptions are ignored.
It also ensures that any free dust is extracted when the work finishes.

Only use the device for this type of application.

3 Before you start

3.1 Unpacking and transporting the device

- Open the box, remove the packing materials, and lift the device out carefully, along with any accessories.
- When transporting the device, make sure that it is packed correctly in order to avoid accidental damage.

Take out the user manual and read it carefully.

Be sure to check for any transport damage when unpacking the goods. Note down any damage if necessary.

3.2 Contents

143100 Automatic dust extractor controller

4 Adjusting the potentiometer

The potentiometer is adjusted through the hole at the rear:

1. Switch the motor on and off and check whether the dust extractor switches off within 30 seconds.
2. If it does not, proceed as follows:
   - Turn the potentiometer anticlockwise up to the stop so the dust extractor does not switch on.
   - Start the motor and turn the potentiometer clockwise until the dust extractor starts.

5 Starting the controller

Make sure the device is at room temperature before switching it on.

1. Connect the power cable.
2. Insert the plug from the finishing machine into the socket on the controller.
3. Switch on the controller using the main switch (green), ready for use.
4. Switch on the finisher to start dust extraction.

6 Troubleshooting

Problem	Likely cause	Likely solution
Controller does not switch on.	Potentiometer set incorrectly	Controller needs adjusting

Please note that the AS-100 has to be readjusted to suit each motor.

If the above suggestions do not solve the problem, get in touch with your Dental Depot or our Service staff.

6.1 Technical data

Power	220-240 V / 50/60 Hz
Max. starting current, dust extractor	5 A
Max. consumption, finishing motor	10 A

Width	125 mm
Length	150 mm
Height	90 mm

We reserve the right to make technical changes.

6.2 Repairs

Servicing or repairs to the unit must only be carried out by trained technicians. Only original spares are to be used.
Responsibility for the product is voided if unauthorised persons alter it or if inappropriate components are installed.

7 Warranty

The warranty period for our instruments is 12 months. If faults occur within the warranty period, contact your dental depot or get in touch directly with our Service department.
The controller should only be operated in perfect condition. If faults occur which could harm operators or third parties, the unit should not be used until it has been fixed.
The warranty does not cover damage caused by improper use, external mechanical causes, transport damage or interference with the unit by unauthorised persons.

8 EC Compliance Certificate

In accordance with 73/23/EWG (low-voltage guidelines) modified by 93/68/EWG and 89/336/EWG (EMV guidelines) and 89/392/EWG (Machinery guidelines), with modifications

Manufacturer:	W A S S E R M A N N Dental-Maschinen GmbH Rudorffweg 15 - 17 D-21031 Hamburg, Germany	Product description:	Automatic dust extractor controller for dental laboratories
Model:	AS-100 automatic dust extractor controller		143100
Applicable standards:	EN 61010-1:1993 + A2:1995 EN 60335/2/54 03.97 EN 50081-1 + EN 50082-1		

Hiermit wird bestätigt, daß die oben bezeichnete Maschine den genannten EG-Richtlinien entspricht. Diese Erklärung wird ungültig, falls die Maschine ohne unsere Zustimmung verändert wird.

This is to confirm that the above-mentioned machine complies with the described EC rules. This declaration becomes invalid if the machine is modified without our approval.

Cette machine est conforme aux normes en vigueur de la Communité Européene. Cet avis est nul et non avenant si cette machine est modifiée sans notre accord.

Esta máquina, anteriormente mencionada, cumple con los limites requeridos por el reglamento EC. Ahora bien, esta declaración quedará invalidada en caso de realizar modificaciones al aparato sin nuestra aprobación.

Hiermee wordt bevestigd dat bovengenoemde machine voldoet aan de voorgeschreven EU normen. Deze verklaring verliest geldigheid als er zonder onze uitdrukkelijke toestemming wijzigen aan de machine worden aangebracht.

Place, date: Hamburg, 10 April 2003

Company stamp:

WASSERMANN DENTAL-MASCHINEN GMBH Rudorffweg 15-17 · 21031 Hamburg

Signed: _____

Wilfried Wassermann
(Managing Director)

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